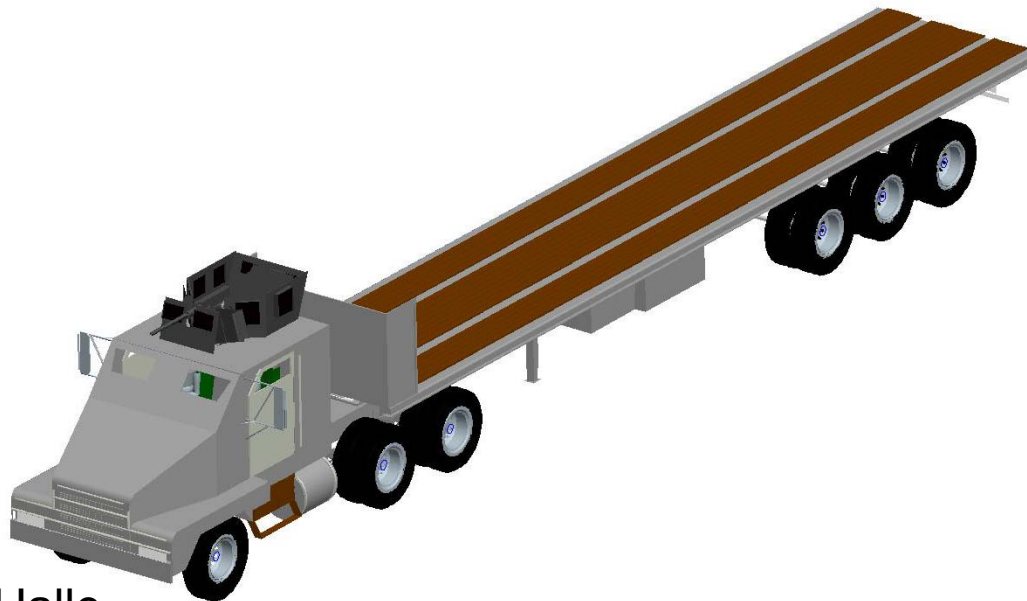
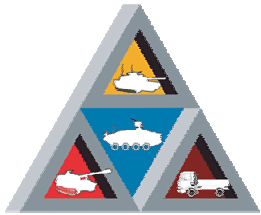


TARDEC Concepts for Next Generation Line Haul System of Systems



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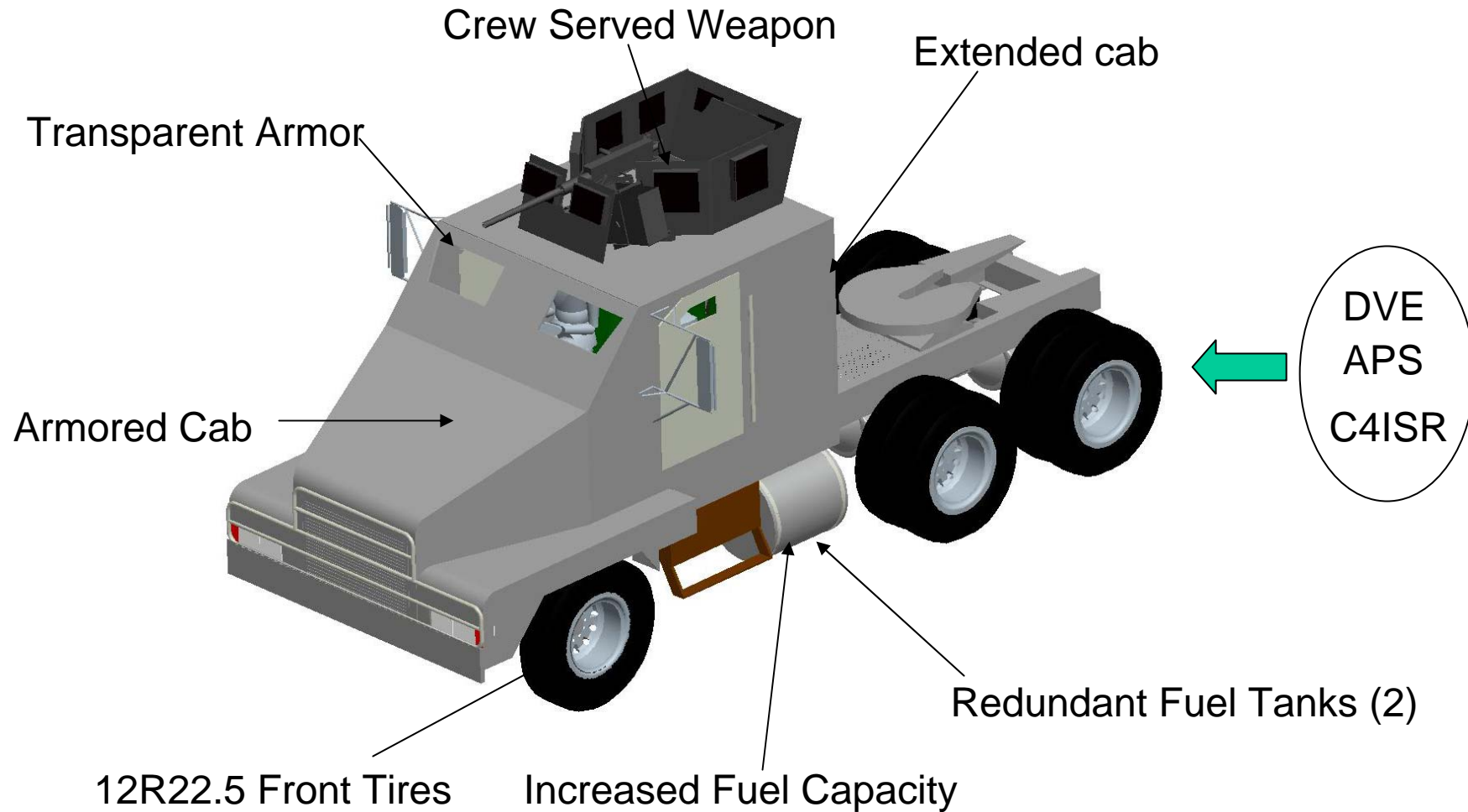
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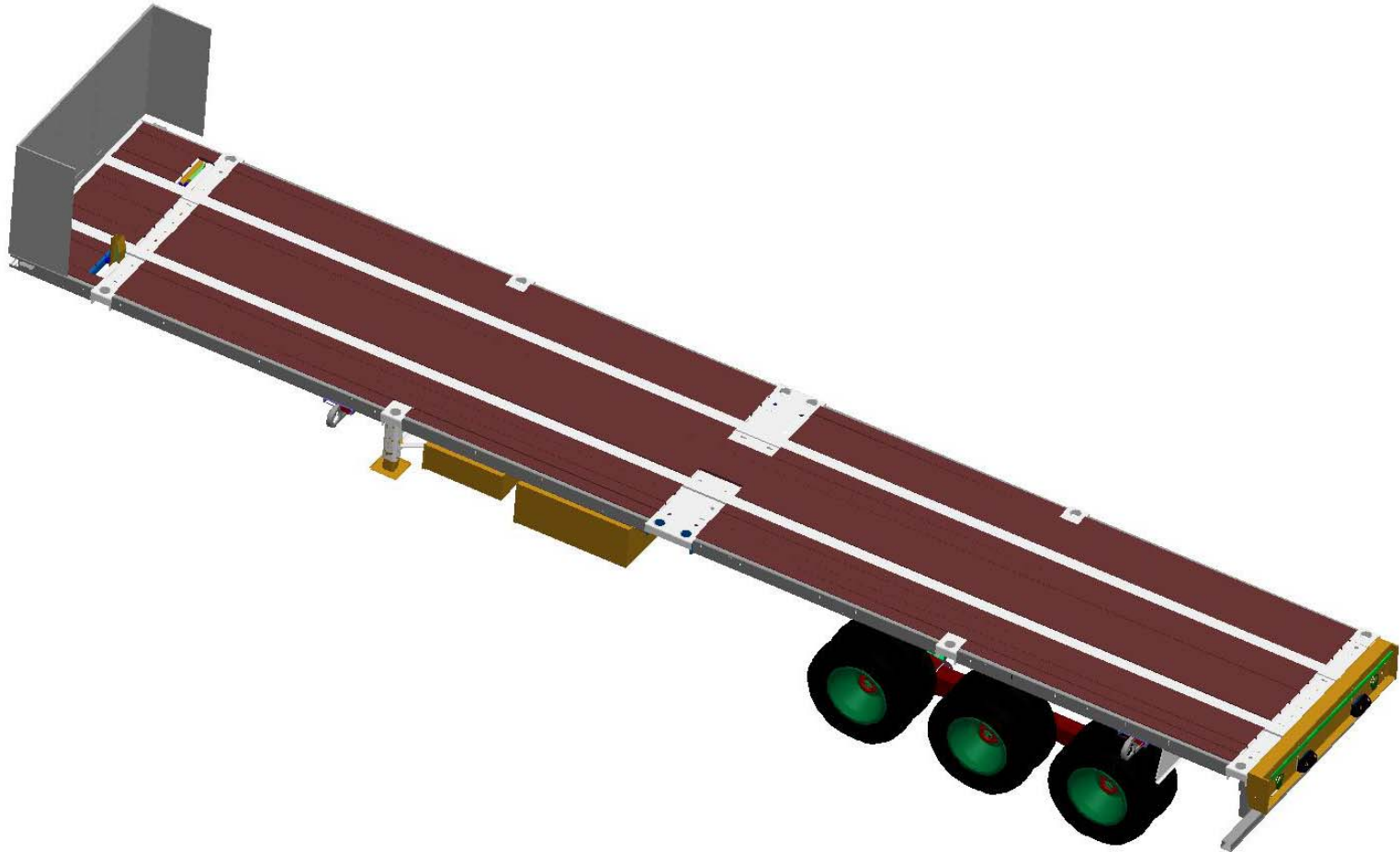
Initial Tractor Concept

TARDEC Concepts for Next Generation Line Haul



Trailers

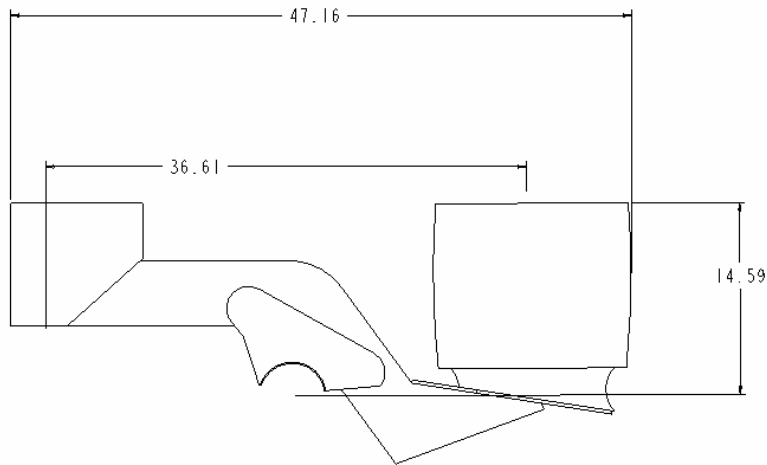
M872A4 CAD Model from Talbert Manufacturing



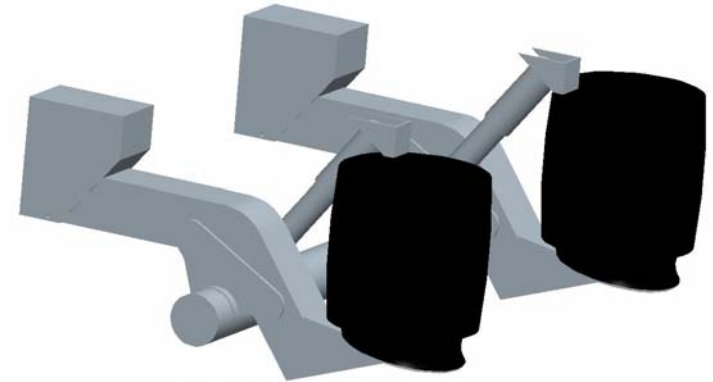
Possible Technologies for Trailer

- Advanced Suspension
- Flexible on-Board Material Handling Equipment
- Intelligent Load Monitoring System
- Cargo & Equipment Tracking System
- Light Weight Materials
- Tire pressure Monitoring System
- On-board Diagnostics and Prognostics

Suspension Integration into Trailer

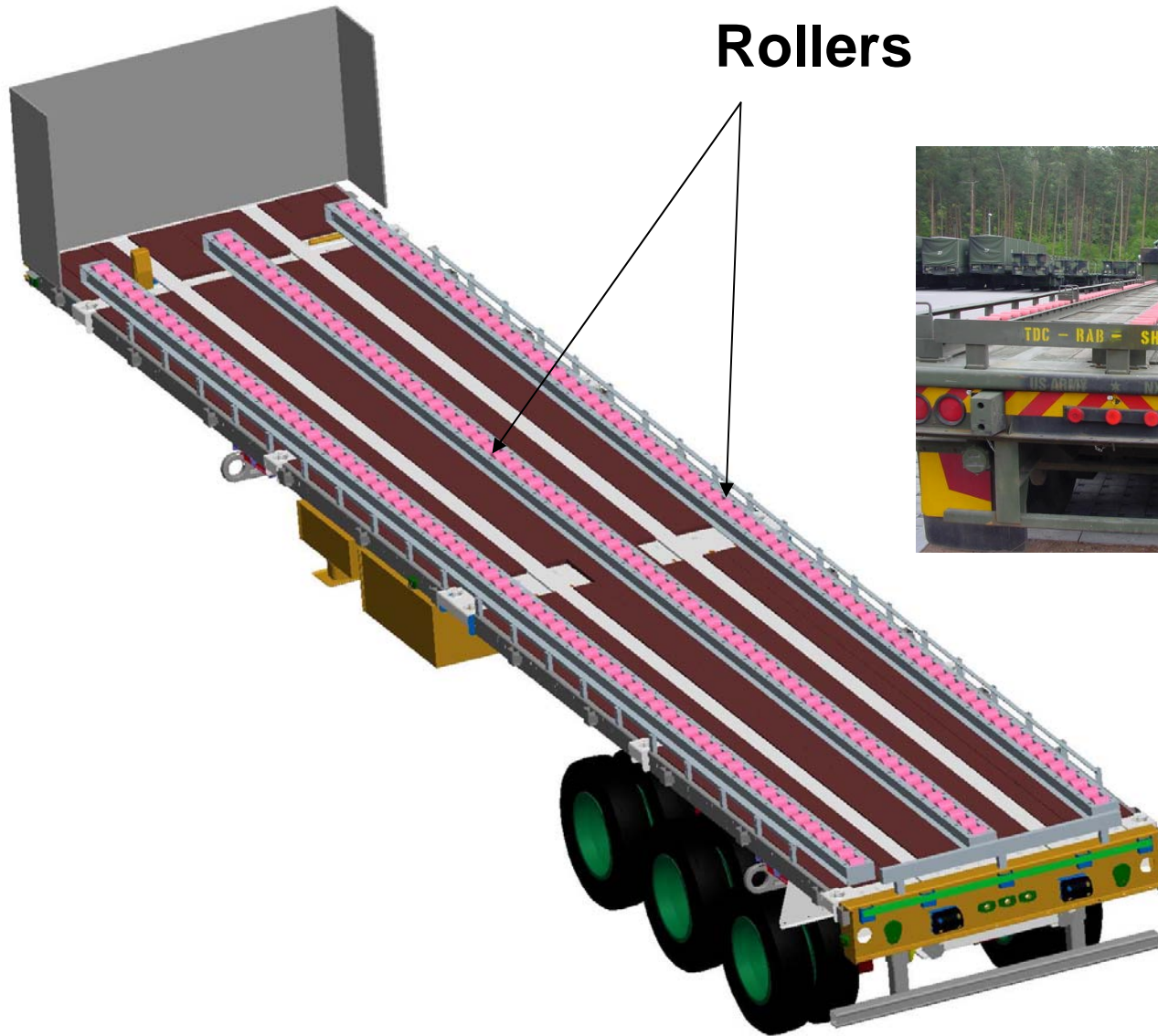


Ride Height



Integrated MHE

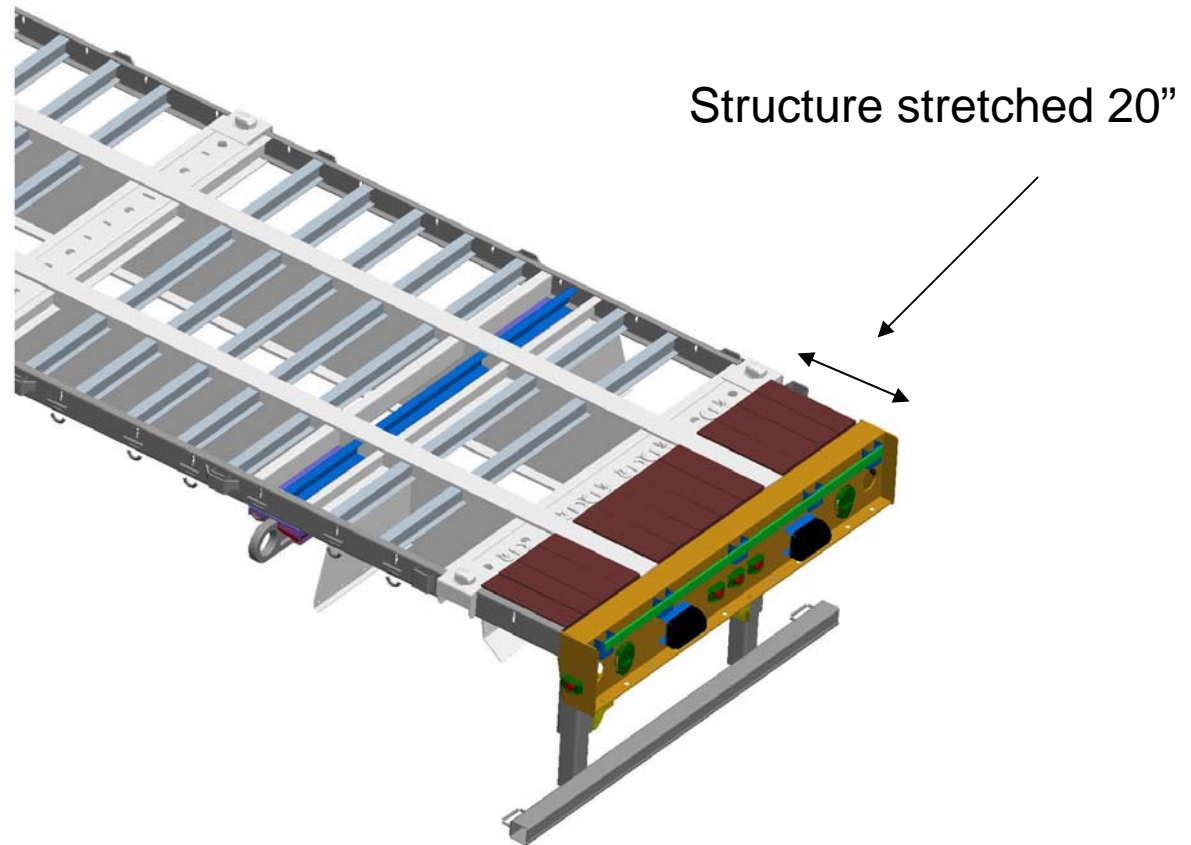
Rollers



On Board MHE (Side Loaders)



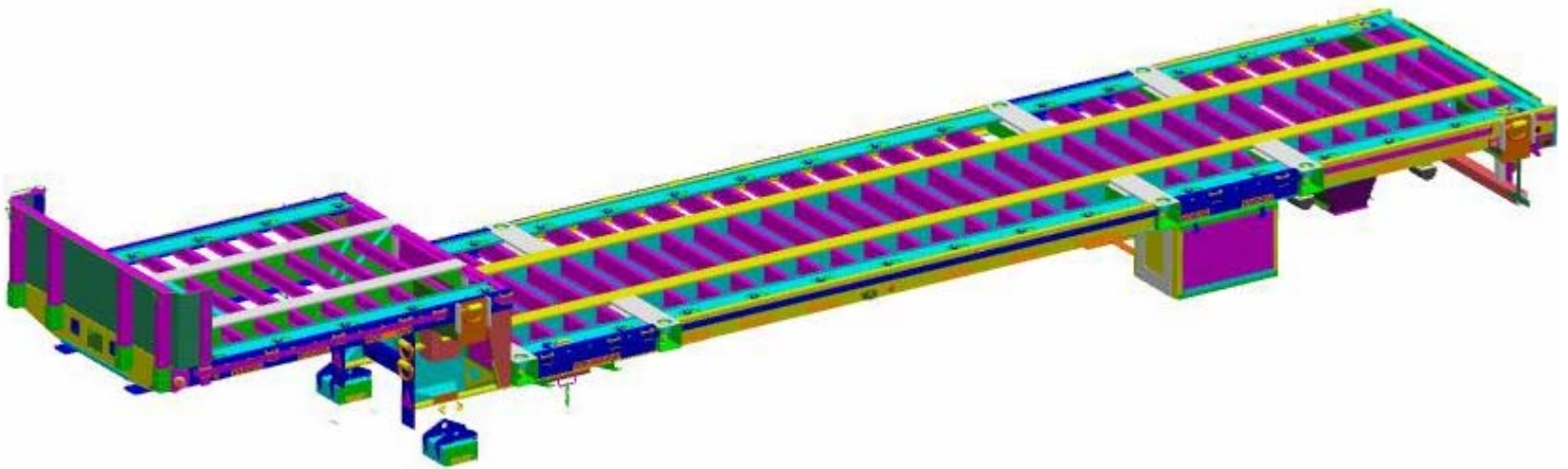
Integration



Intelligent Load Monitoring System

- The Intelligent Load Monitoring System will provide the prime mover crew a higher level of confidence that the trailer/prime mover are not overloaded and that the cargo is properly positioned and secured to the trailer for the environment in which it is being transported.
- Insure mission safety by providing load information to prime mover crew (weight distribution, cube, CG & corrective action) and warning of any overload conditions and (or) potential rollover situations.

M871A3 ProductView Model



M870A3 CAD Model

